

HARDWARE MANUFACTURERS' RECORD.

Hardware manufacturers, the country over, are requested to contribute to this page. News of new factories or companies, changes, improvements, etc., will be gladly received, and promptly published.

Wheel Company, and will occupy it for manufacturing wrenches and other small tools. The Tudor Company is a new corporation, organized under Massachusetts laws with capital stock authorized of \$500,000. It has taken over the business of the Bay State Tool Company of Boston, which has been in existence several years, occupying a shop at South Boston, where considerable manufacturing for the market has been done during the past year. The officers are: President, C. C. Marvel; treasurer, E. B. Page; directors, these officers and H. G. Brooks and W. C. Farrell.

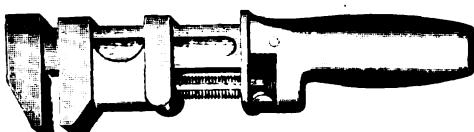
Worcester, Mass.—The Tudor Manufacturing Company of Boston has taken the factory building at East Worcester, formerly occupied by the National Emery

NEW GOODS AND SPECIALTIES

ratchet teeth, according to size, all of which engage the cylindrical part during the forward motion of the wrench, but permit the wrench to operate freely in the reverse direction. This feature renders the wrench useful for many purposes, obviating the necessity of removing it from a nut or bolt head while working. The Bay State Ratchet Wrench shown in the illustration is designed for general use, and is manufactured in 15 sizes to take standard hexagonal cap screws from $\frac{1}{4}$ to $1\frac{1}{2}$ inches. This type of wrench is also made as an automobile ratchet tire lug wrench, in four sizes to fit lugs $\frac{1}{2}$, 9-16, $\frac{5}{8}$ and $\frac{3}{4}$ inch, and as a lineman's cross-arm ratchet wrench.

BAY STATE QUICK ACTING MONKEY WRENCH.

Bay State Tool Co., No. 147 Milk Street, Boston, Mass., are the makers of the Quick Acting Monkey Wrench illustrated herewith. This wrench is noted for its simplicity of construction and its quickness and sureness of adjustment. Once ad-



BAY STATE QUICK ACTING MONKEY WRENCH.

justed it may be relied upon to stay adjusted. It does not back off as does the ordinary screw wrench, and the adjustment can only be changed intentionally. It has a wider opening, at least a quarter-inch more opening on the jaw than other wrenches. It is made exceptionally strong from the best drop forgings, and steel castings, and being case hardened throughout its durability is unquestioned. All parts are interchangeable and all parts fully guaranteed. It is made in three sizes: 8, 10 and 12 inch, with an opening on the jaw respectively of $1\frac{1}{2}$, 2 and $2\frac{1}{2}$ inches.

BAY STATE RATCHET WRENCH.

Tudor Mfg. Co., No. 147 Milk Street, Boston, Mass., are putting on the market as a part of the Bay State line of quick-acting small tools a Ratchet Wrench adapted for various purposes.



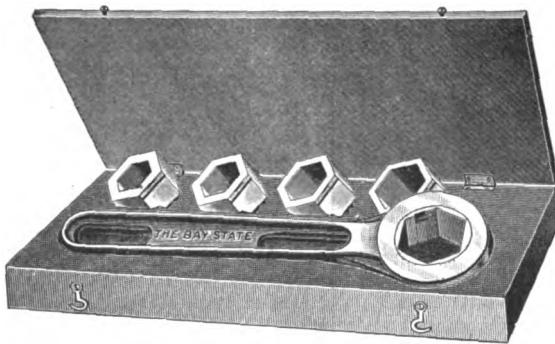
BAY STATE RATCHET WRENCH.

The opening of the wrench is in a cylindrical part, having upon its circumference a ratchet forming a cylindrical rack. In a recess of the wrench is a spring pawl containing from five to ten

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INTERCHANGEABLE RATCHET AND SOCKET WRENCH.

Bay State Tool Co., 98 to 100 Beacon Street, Worcester, Mass., are the manufacturers of the Interchangeable Ratchet and Socket Wrench as illustrated herewith. By means of interchangeable bushings five sizes of wrenches are obtainable in one. The bush-



INTERCHANGEABLE RATCHET AND SOCKET WRENCH.

ings are made from steel castings and case hardened and finished in a blue gun-metal finish. By reversing the bushing when inserting it in the wrench a socket wrench is obtained. Two sizes of sets are included in this line, viz.: Set No. 2 consisting of wrench $1\frac{1}{8}$ inch hexagonal opening and the four bushings with



THE SOCKET WRENCH ONLY.

openings of $\frac{3}{4}$, $13-16$, $\frac{7}{8}$ and 1 inch. Set No. 3 consists of a wrench with $1\frac{7}{8}$ inch hexagonal opening and four bushings with openings of $1\frac{1}{8}$, $1\frac{1}{4}$, $1\frac{3}{8}$ and $1\frac{1}{2}$ inch. Fig. 2 shows the tool used as a socket wrench.